

CONFERENCE VENUE
ZAN HOTEL EUROPA BOLOGNA, ITALY

25 APRIL 2025 FRIDAY
BERLIN MEETING ROOM

Welcome Speech / 09:00 – 09:10

Prof. Dr. Ismihan BAYRAMOGLU / Conference Chair
Izmir University of Economics , Izmir, Turkiye

#1 Keynote Speech / 09:10 – 09:50

Prof. Dr. Barry C. Arnold
University of California, Riverside, USA

Speech Title: Conditionally Specified Bivariate Models: Old and New

SET UP BREAK 09:50 – 10:00

SESSION A (10:00 – 11:20)

SESSION CHAIR: Prof. Dr. Aysen D. AKKAYA

BERLIN MEETING ROOM

10:00 – 10:20

PAPER TITLE : Random Effect Functional Cox Regression Model

AUTHOR(S) : **Deniz INAN**, Ufuk BEYAZTAS, Carmen D. TEKWE, Xiwei CHEN, Roger S. ZOH

10:20 – 10:40

PAPER TITLE : A Deep Learning Approach to Spatial Functional Regression with Mixed Covariates

AUTHOR(S) : Merve BAŞARAN, **Ufuk BEYAZTAŞ**

10:40 – 11:00

PAPER TITLE : Forecasting the Process of Screened / Randomized Patients and Optimal Early Stopping Time in Multicentre Clinical Trials

AUTHOR(S) : **Volodymyr ANISIMOV**

11:00 – 11:20

PAPER TITLE : Robust Inference for a Fat-Tailed Skew Distribution

AUTHOR(S) : **Aysen D. AKKAYA**, M. Qamarul ISLAM

TEA & COFFEE BREAK 11:20 – 11:40

SESSION B (11:40 – 13:00)

SESSION CHAIR: Prof. Dr. Deniz INAN

BERLIN MEETING ROOM

11:40 – 12:00

PAPER TITLE : Enhanced Robust and Efficient Estimation Methods for Panel Data
Regression with Random Effects

AUTHOR(S) : **Beste Hamiye BEYAZTAŞ**, Abhijit MANDAL, Soutir BANDYOPADHYAY

12:00 – 12:20

PAPER TITLE : Spatial Autoregressive Quantile Regression for Scalar-on-Function Mode

AUTHOR(S) : **Müge MUTİŞ**, Ufuk BEYAZTAŞ, Filiz KARAMAN, Han Lin SHANG

12:20 – 12:40

PAPER TITLE : Reliability of Complex Systems Consisting of Two Types of Mixed
Components

AUTHOR(S) : **Hümay Zehra ÖZER**, İsmihan BAYRAMOĞLU

12:40 – 13:00

PAPER TITLE : The Reliability of the Complex System Having Active and Redundant
Components

AUTHOR(S) : **Könül BAYRAMOĞLU KAVLAK**

LUNCH BREAK 13:00 – 13:30

#2 Keynote Speech / 13:30 – 14:00

Prof. Dr. Umberto Cherubini

University of Bologna, ITALY

Betting Around the Clock: Long-Term Investment with Time Change

14:10 Departure from Conference Venue for Florence Tour and Conference Dinner

Please check **conference social program** for more information

23:30 Back to Hotel After Tour & Conference Dinner

Please check **conference social program** for more information

CONFERENCE VENUE

ZAN HOTEL EUROPA BOLOGNA, ITALY

26 APRIL 2025 SATURDAY

SESSION C (09:00 – 10:20)

SESSION CHAIR: Prof. Dr. Michail D. TODOROV

BERLIN MEETING ROOM

09:00 – 09:20

PAPER TITLE : Evaluation of Provinces According to Losses in Businesses After February 6 Earthquakes Using Multi-Criteria Decision-Making Methods

AUTHOR(S) : **Pelin TOKTAŞ**

09:20 – 09:40

PAPER TITLE : A Multicriteria Optimization Approach for Investment Project Financing

AUTHOR(S) : Borislav CHAKAROV, **Meglena LAZAROVA**, Ivan GEORGIEV, Slavi GEORGIEV

09:40 – 10:00

PAPER TITLE : Multi-Level Thresholding Image Segmentation Using Metaheuristic Algorithm

AUTHOR(S) : Eda ÖZKUL, **Muharrem KORKMAZ**

10:00 – 10:20

PAPER TITLE : The Role of Banking Heterogeneity in the Relationship Between Financial Development and Entrepreneurship

AUTHOR(S) : Cristian BARRA, **Christian D'ANIELLO**

TEA & COFFEE BREAK 10:20 – 10:40

#3 Keynote Speech / 10:40 – 11:10

Prof. Dr. Jorge NAVARRO

University of Murcia, SPAIN

Stochastic Properties of Sums of Dependent Random Variables (Risks)

SET UP BREAK 11:10 – 11:20

SESSION D (11:20 – 12:40)

SESSION CHAIR: Dr. Volodymyr ANISIMOV

BERLIN MEETING ROOM

11:20 – 11:40

PAPER TITLE : A Note on a Class of Estimates for the Regression Function

AUTHOR(S) : Mounir ARFI

11:40 – 12:00

PAPER TITLE : Use of Linear Dynamic Models for Time Series Prediction

AUTHOR(S) : Lubos MAREK, Richard HINDLS, **Stanislava HRONOVA**

12:00 – 12:20

PAPER TITLE : A Skew Marshall-Olkin Distribution

AUTHOR(S) : Leda Minkova

12:20 – 12:40

PAPER TITLE : A Fuzzy C-Means Image Segmentation Algorithm Using Metaheuristics

AUTHOR(S) : Özge TEZEL, **Onur OKUYUCU**

LUNCH BREAK 12:40 – 13:20

#4 Keynote Speech / 13:20 – 13:50

Anna Dembińska

Warsaw University of Technology, POLAND

Predicting Missing Data Using Inactivity Times of Components Upon System Failure

SET UP BREAK 13:50 – 14:00

SESSION E (14:00 – 15:40)

SESSION CHAIR: Prof. Dr. Leda MINKOVA

BERLIN MEETING ROOM

14:00 – 14:20

PAPER TITLE : Using HMD Methods Protocol to Estimate Turkish Population at the
Advanced Ages

AUTHOR(S) : **Özer BAKAR**, Murat BÜYÜKYAZICI, İsmet KOÇ

14:20 – 14:40

PAPER TITLE : On a Splitting Method for Solving the Nonlinear Schrödinger Equation and Its
Generalization to the Manakov System

AUTHOR(S) : **Michail TODOROV**, Meglena LAZAROVA,

14:40 – 15:00

PAPER TITLE : Development of a Deep Learning-Based Hybrid Model for Diagnosing Lung
Cancer Using CT Scan Images

AUTHOR(S) : **Yasemin GÜNTER** , Ayşenur ÖZTÜRK, Fatma NOYAN TEKELİ

15:00 – 15:20

PAPER TITLE : Airport Customer Segment Ranking: Hybrid TOPSIS Approach

AUTHOR(S) : **Beyza AHLATÇIOĞLU ÖZKÖK**, Serhan KARADENİZ, Sezin ÖZTÜRK

15:20 – 15:40

PAPER TITLE : The Integration of Artificial Intelligence Tools in Teaching Statistics

AUTHOR(S) : **Laura ASANDULUI**, Christiana SANDU

TEA & COFFEE BREAK 15:40 – 16:00

SESSION F (16:00 – 17:30)

SESSION CHAIR: Prof. Dr. Ismihan BAYRAMOGLU

BERLIN MEETING ROOM

16:00 – 16:20

PAPER TITLE : Smart Classrooms of the Future: AI-Driven Support for Teachers and Students

AUTHOR(S) : **Laura PAGANI**, Paolo GEMELLI

16:20 – 16:40

PAPER TITLE : Hybrid Waste Management System: Sensor and Vision-Based Data Collection and Artificial Intelligence-Based Classification

AUTHOR(S) : Bedirhan Gürsu, Berkant Özkan, Eren Okumus, Ömer Faruk Gülhan, **Özden Niyaz**

16:40 – 17:00

PAPER TITLE : Simulation Framework for Real-Time Management and Control of Manufacturing Systems

AUTHOR(S) : **Iwona LAPUNKA**, Piotr WITTBRODT

17:00 – 17:20

PAPER TITLE : Lung and Colon Cancer Histopathological Image Classification Using Deep Learning Approaches

AUTHOR(S) : Oussama Bouguerra, **Youcef Brik**, Bilal Attallah

17:20 – 17:30 (CLOSING SPEECH)

: Prof. Dr. Ismihan BAYRAMOGLU, Izmir University of Economics
Conference Chair

END OF CONFERENCE

27 APRIL 2025 SUNDAY

PISA & LUCCA CITY TOUR WITH GUIDE

Please check **conference social program** for more information